

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\  
 Data File : VX012872.D  
 Acq On : 08 Oct 2019 05:36  
 Operator : JC/SP  
 Sample : K5122-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-CHY05

Quant Time: Oct 08 13:18:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

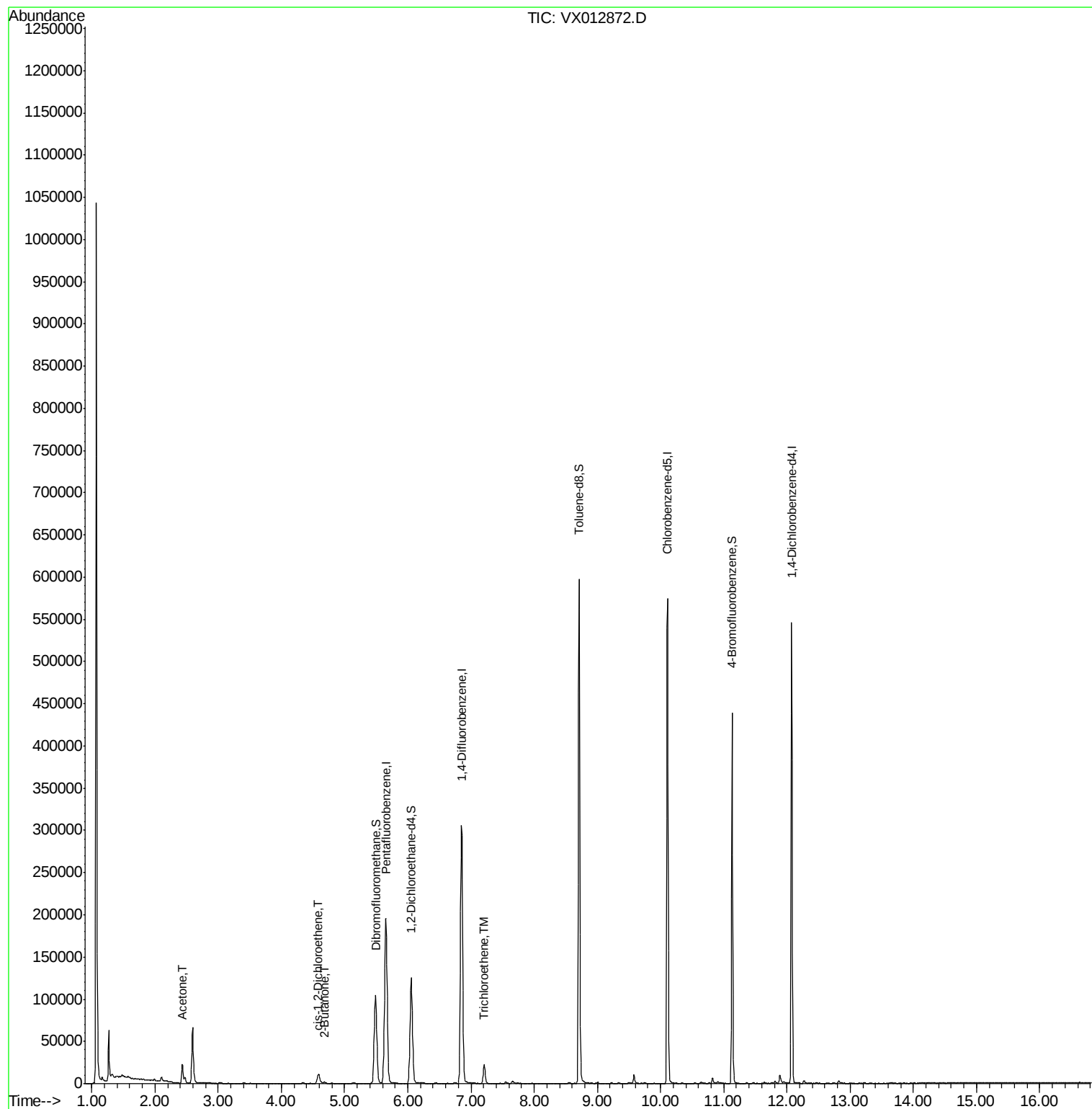
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 180796   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 308175   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 263375   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 104231   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 119546   | 45.41  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.82%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 92525    | 50.41  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.82% |          |
| 50) Toluene-d8              | 8.71  | 98   | 359834   | 50.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.82% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 124882   | 44.94  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.88%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.43  | 43   | 24435    | 17.522 | ug/l    | 99       |
| 25) 2-Butanone              | 4.67  | 43   | 2963     | 1.482  | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 7271     | 2.910  | ug/l    | 81       |
| 44) Trichloroethene         | 7.21  | 130  | 8996     | 4.026  | ug/l    | 91       |

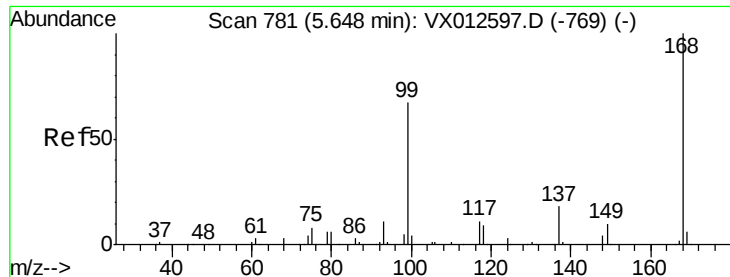
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FA19-CHY05

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 23 12:27:01 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

Instrument :

MSVOA\_X

ClientSampleId :

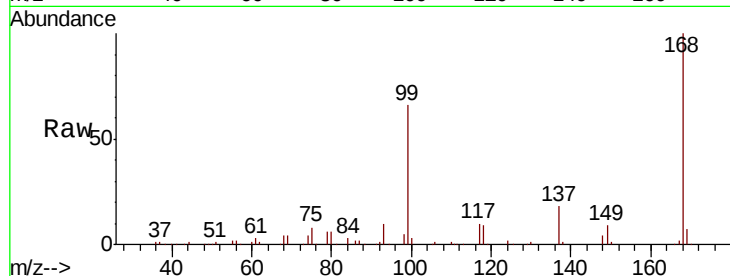
FA19-CHY05

Tot Ion:168 Resp: 180796

Ion Ratio Lower Upper

168 100

99 66.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

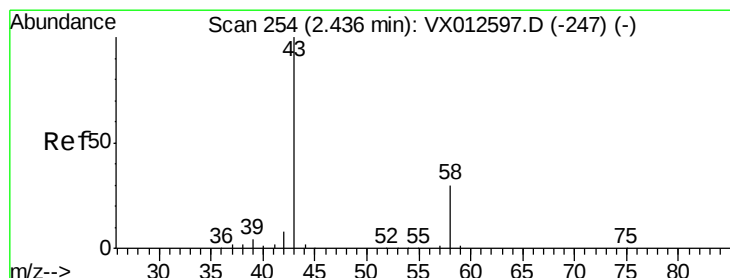
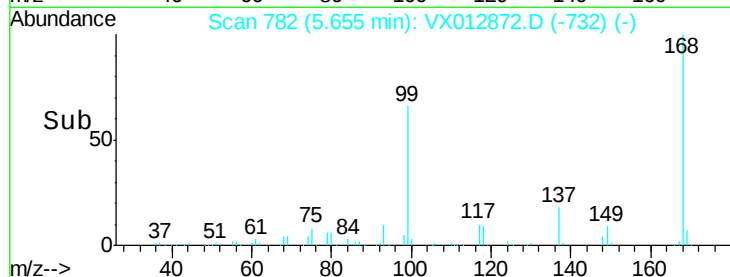
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 17.522 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012872.D

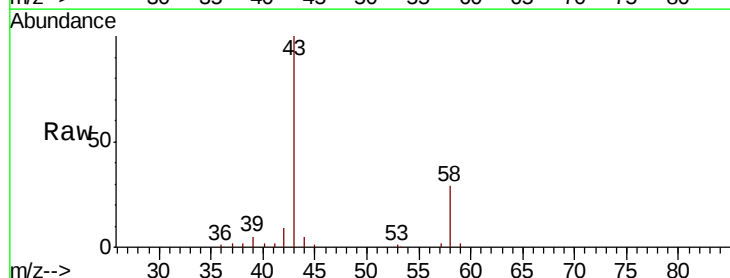
Acq: 08 Oct 2019 05:36

Tgt Ion: 43 Resp: 24435

Ion Ratio Lower Upper

43 100

58 28.5 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

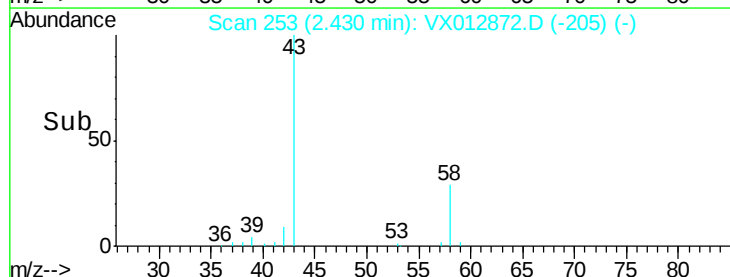
15000

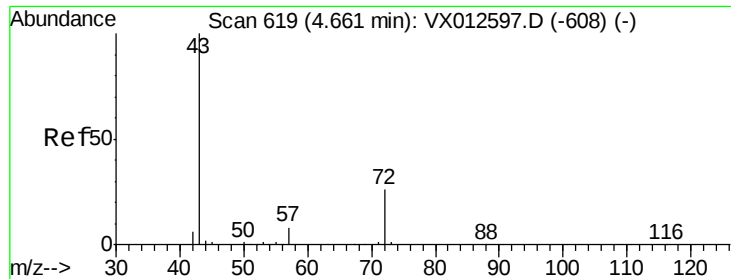
10000

5000

0

Time--> 2.40 2.45 2.50 2.55 2.60





#25

2-Butanone

Concen: 1.482 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

Instrument :

MSVOA\_X

ClientSampleId :

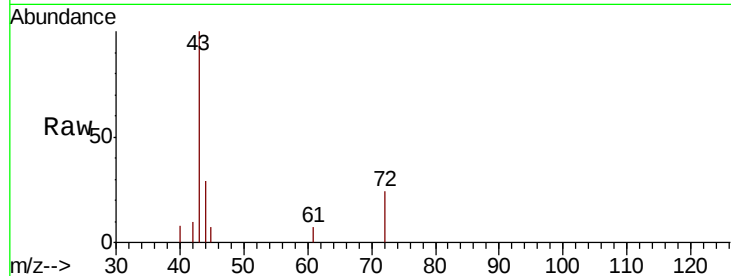
FA19-CHY05

Tot Ion: 43 Resp: 2963

Ion Ratio Lower Upper

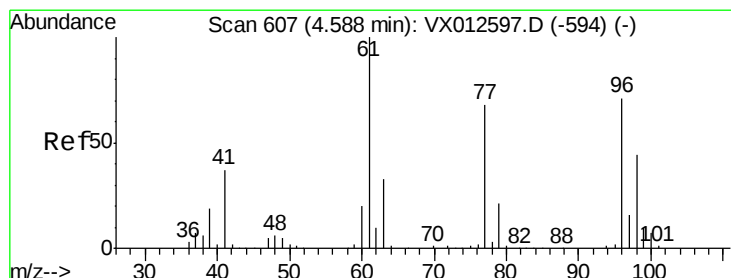
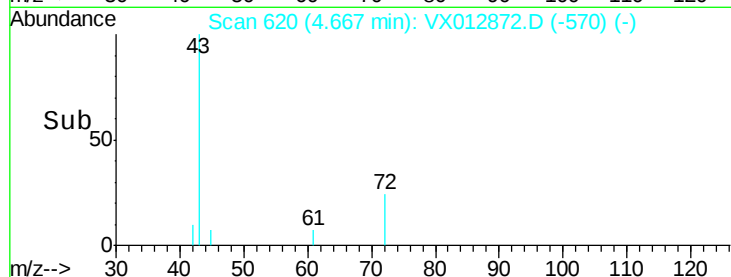
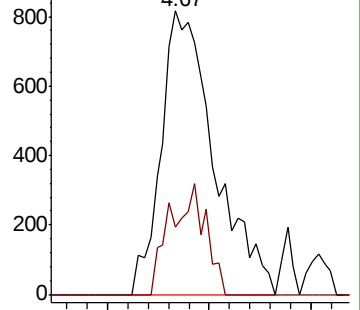
43 100

72 23.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 2.910 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

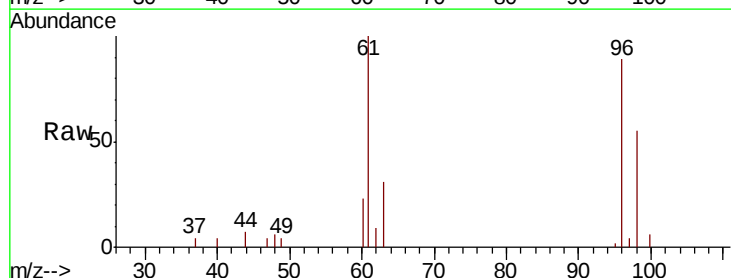
Tgt Ion: 96 Resp: 7271

Ion Ratio Lower Upper

96 100

61 125.8 0.0 319.4

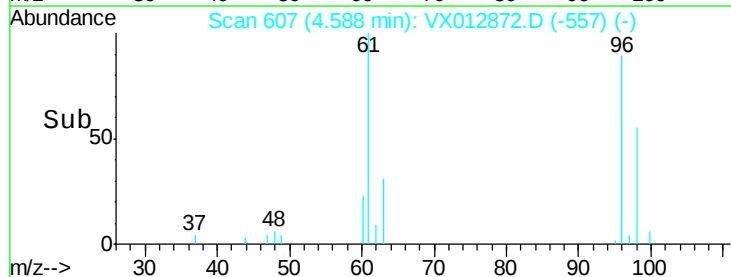
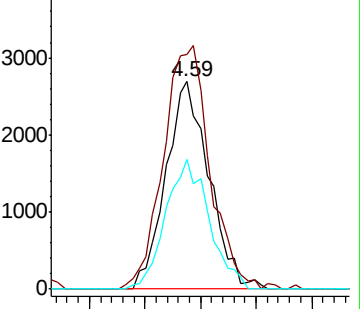
98 62.7 0.0 130.6

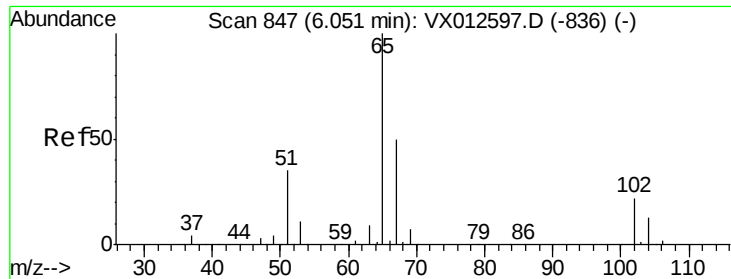


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

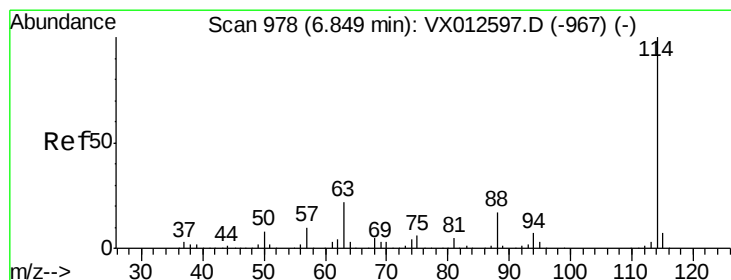
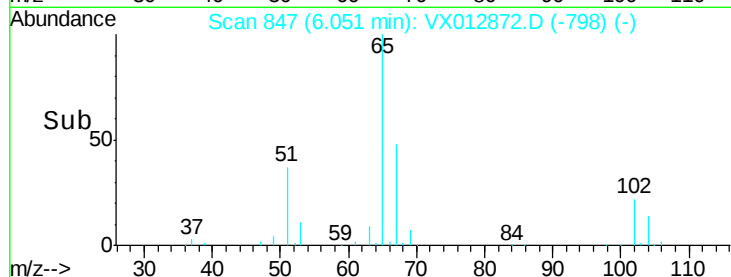
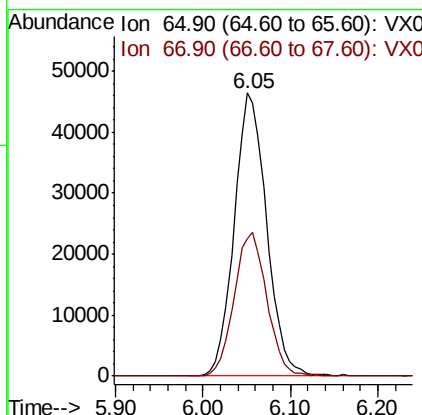
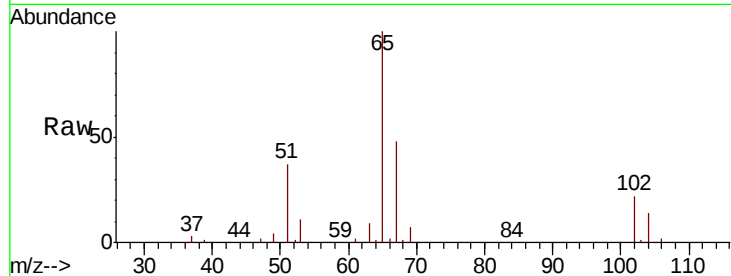




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.407 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX012872.D  
 Acq: 08 Oct 2019 05:36

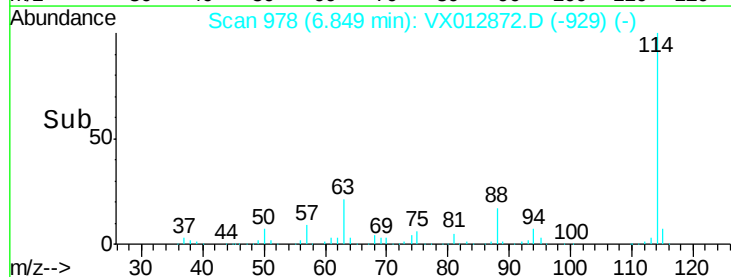
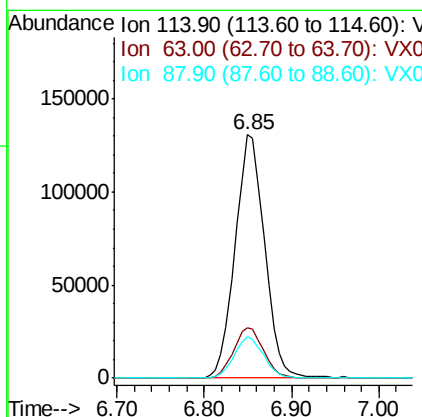
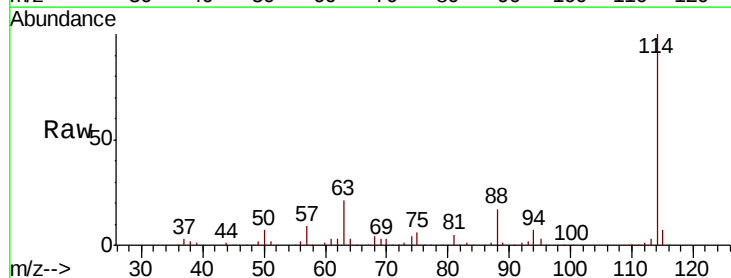
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-CHY05

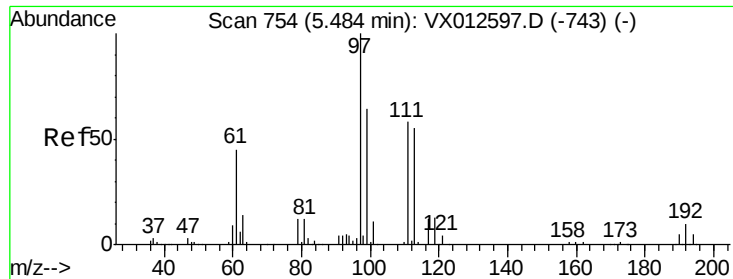
Tot Ion: 65 Resp: 119546  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 101.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX012872.D  
 Acq: 08 Oct 2019 05:36

Tgt Ion: 114 Resp: 308175  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 43.2  
 88 17.2 0.0 33.2

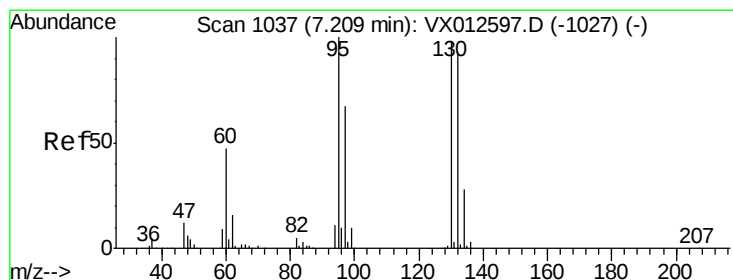
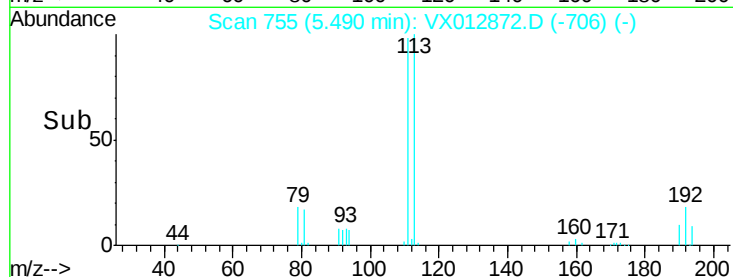
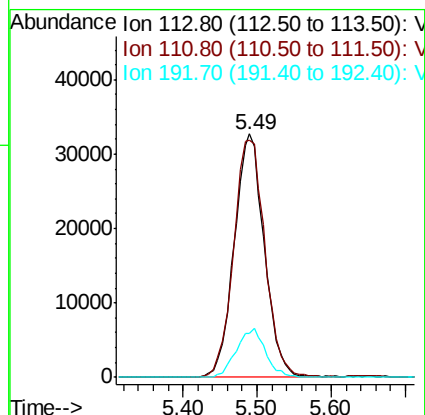
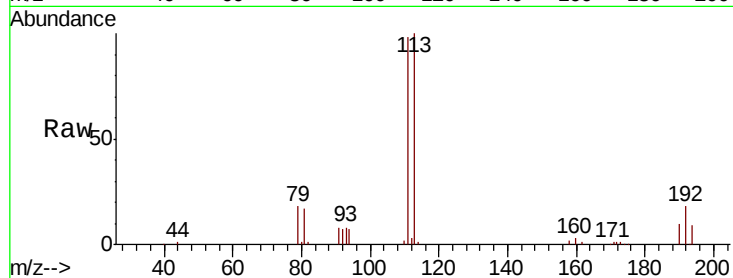




#35  
Dibromofluoromethane  
Concen: 50.414 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.00 min  
Lab File: VX012872.D  
Acq: 08 Oct 2019 05:36

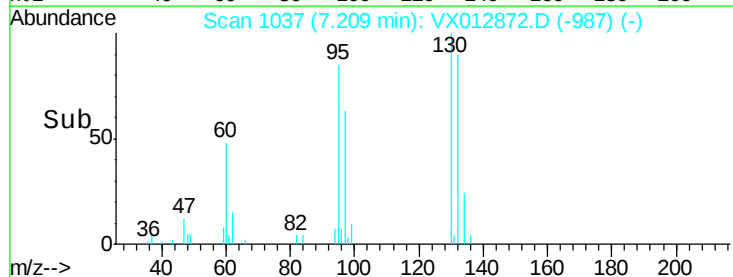
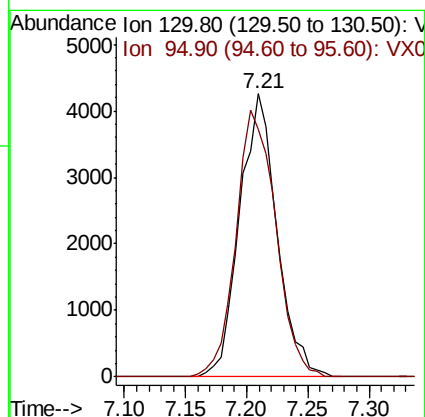
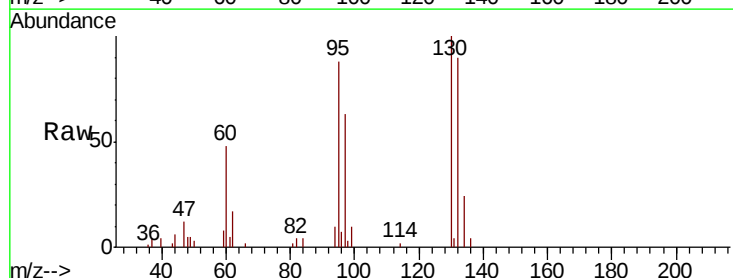
Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-CHY05

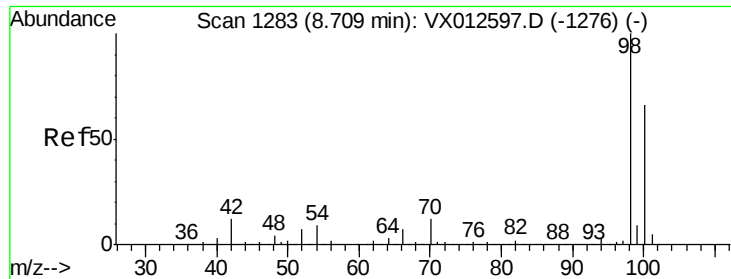
Tot Ion:113 Resp: 92525  
Ion Ratio Lower Upper  
113 100  
111 102.0 83.4 125.2  
192 19.4 14.4 21.6



#44  
Trichloroethene  
Concen: 4.026 ug/l  
RT: 7.21 min Scan# 1037  
Delta R.T. 0.01 min  
Lab File: VX012872.D  
Acq: 08 Oct 2019 05:36

Tgt Ion:130 Resp: 8996  
Ion Ratio Lower Upper  
130 100  
95 87.5 0.0 193.0





#50

Toluene-d8

Concen: 50.911 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

Instrument :

MSVOA\_X

ClientSampleId :

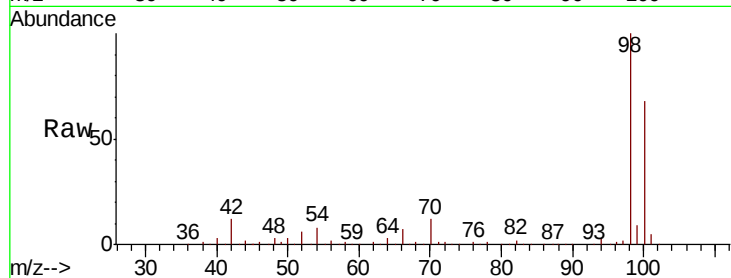
FA19-CHY05

Tot Ion: 98 Resp: 359834

Ion Ratio Lower Upper

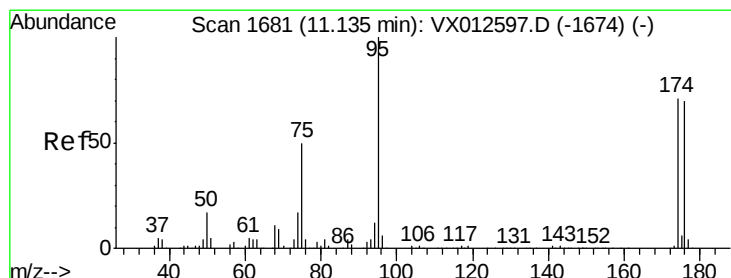
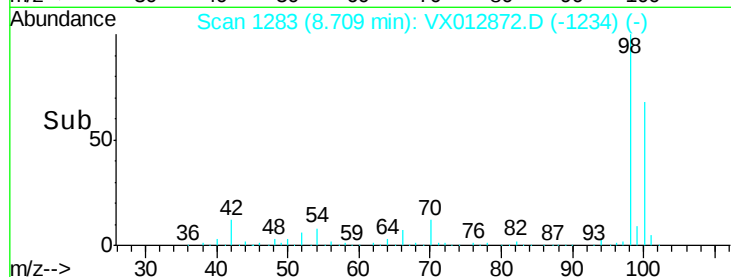
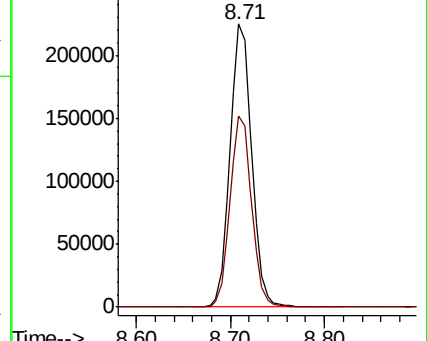
98 100

100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 44.936 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

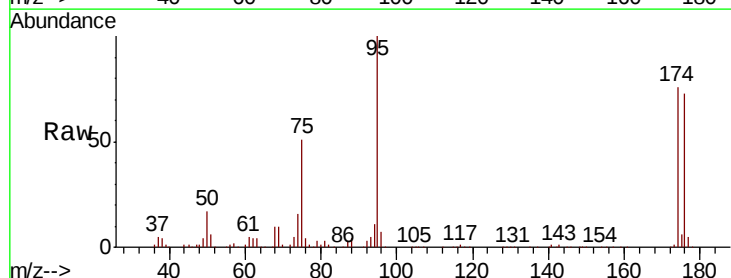
Tgt Ion: 95 Resp: 124882

Ion Ratio Lower Upper

95 100

174 71.7 0.0 140.0

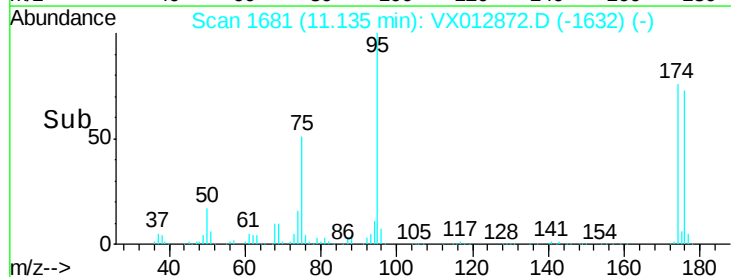
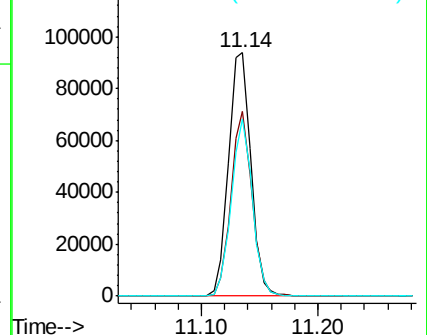
176 68.7 0.0 135.4

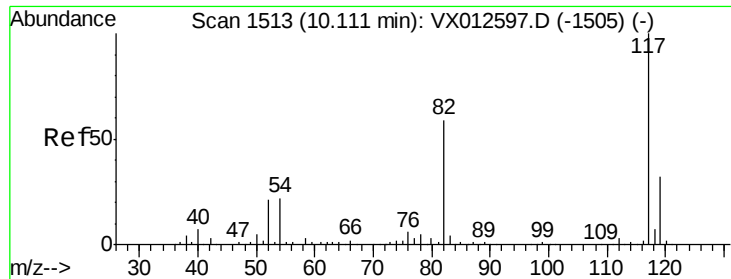


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

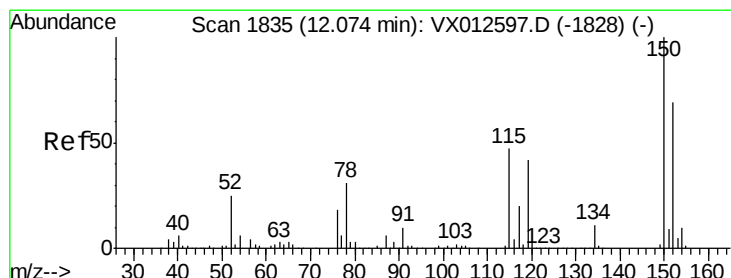
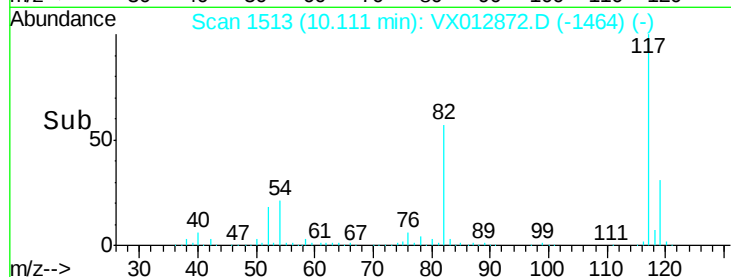
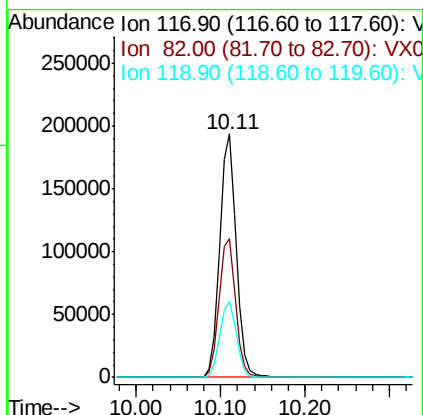
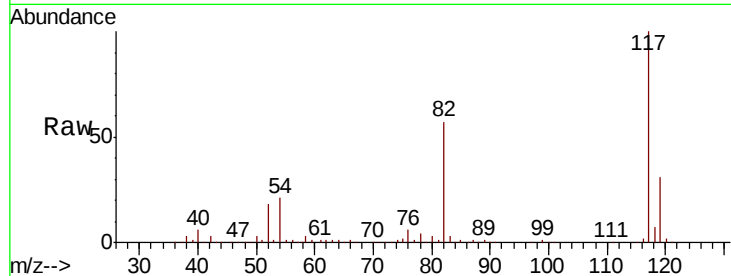




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012872.D  
Acq: 08 Oct 2019 05:36

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-CHY05

Tot Ion:117 Resp: 263375  
Ion Ratio Lower Upper  
117 100  
82 56.9 45.9 68.9  
119 31.4 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX012872.D  
Acq: 08 Oct 2019 05:36

Tgt Ion:152 Resp: 104231  
Ion Ratio Lower Upper  
152 100  
115 64.6 44.1 132.3  
150 160.7 0.0 343.8

